

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20050052106"	US-PGPUB; USPAT	OR	ON	2007/07/06 13:58
S2	1580	313/141,144.ccls.	US-PGPUB; USPAT	OR	ON	2007/03/08 19:55
S3	529	313/141,144.ccls. and tip	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/08 19:58
S4	447	((ignit\$3 spark\$3) near3 (element member plug)) and (tip with (groove opening hole indentation aperture slit notch))	EPO; JPO; DERWENT	OR	ON	2007/03/08 20:03
S5	142	((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with (metal\$4 noble) with (groove opening hole indentation aperture slit notch))	EPO; JPO; DERWENT	OR	ON	2007/03/09 18:50
S6	1	1990-111570.NRAN.	DERWENT	OR	ON	2007/03/08 20:14
S7	1	1990-111570.NRAN.	DERWENT	OR	ON	2007/03/08 20:24
S8	9	"1286442" "9411934"	EPO; JPO; DERWENT	OR	ON	2007/03/08 20:27
S9	1	1994-177129.NRAN.	DERWENT	OR	ON	2007/03/08 20:26
S10	27	"2459563" "833306" "1552274" "4763455" "819156" "2236294"	EPO; JPO; DERWENT	OR	ON	2007/03/08 20:32
S11	1	1981-A1482D.NRAN.	DERWENT	OR	ON	2007/03/08 20:31
S12	5	"0833306"	EPO; JPO; DERWENT	OR	ON	2007/03/08 20:32
S13	4	"2459563"	EPO; JPO; DERWENT	OR	ON	2007/03/08 20:32
S14	6	"833306"	EPO; JPO; DERWENT	OR	ON	2007/03/08 20:45
S15	1	"1552274".pn.	US-PGPUB; USPAT	OR	ON	2007/03/08 20:45
S16	574	((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with (cavity cleft crevice fissure orifice crack slot space tear recesss perforation gap breach))	EPO; JPO; DERWENT	OR	ON	2007/07/03 16:12
S17	211	((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with (metal\$4 noble) with (cavity cleft crevice fissure orifice crack slot space tear recesss perforation gap breach))	EPO; JPO; DERWENT	OR	ON	2007/03/08 21:13

## EAST Search History

S18	391	((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with (electrode) with (cavity cleft crevice fissure orifice crack slot space tear recesss perforation gap breach))	EPO; JPO; DERWENT	OR	ON	2007/03/09 18:34
S19	215	S18 not S17	EPO; JPO; DERWENT	OR	ON	2007/03/08 21:13
S20	1	"5982080".pn.	US-PGPUB; USPAT	OR	ON	2007/03/09 18:20
S21	1	1994-177129.NRAN.	DERWENT	OR	ON	2007/03/09 18:34
S22	5	"2421585"	EPO; JPO; DERWENT	OR	ON	2007/03/09 18:35
S23	2	"3605300"	EPO; JPO; DERWENT	OR	ON	2007/03/09 18:35
S24	1	"5982080".pn.	US-PGPUB; USPAT	OR	ON	2007/03/09 18:42
S25	211	((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with (metal\$4 noble) with (cavity cleft crevice fissure orifice crack slot space tear recesss perforation gap breach))	EPO; JPO; DERWENT	OR	ON	2007/03/09 19:24
S26	142	((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with (metal\$4 noble) with (groove opening hole indentation aperture slit notch))	EPO; JPO; DERWENT	OR	ON	2007/03/09 19:03
S27	171	S25 not S26	EPO; JPO; DERWENT	OR	ON	2007/03/09 18:50
S28	6	((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with pre\$form\$3)	EPO; JPO; DERWENT	OR	ON	2007/03/09 19:00
S29	8	((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with pre\$form\$3) and 313/118-143.ccls.	US-PGPUB; USPAT	OR	ON	2007/03/09 19:00
S30	10	((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with (firing fired) with (groove opening hole indentation aperture slit notch))	EPO; JPO; DERWENT	OR	ON	2007/07/03 20:42
S31	7	"1139530"	EPO; JPO; DERWENT	OR	ON	2007/03/09 19:18
S32	5	"2224270"	EPO; JPO; DERWENT	OR	ON	2007/03/09 19:18
S33	34	((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with (firing fired) with (cavity cleft crevice fissure orifice crack slot space tear recesss perforation gap breach))	EPO; JPO; DERWENT	OR	ON	2007/03/09 20:12

## EAST Search History

S34	6	"1286442"	EPO; JPO; DERWENT	OR	ON	2007/03/09 20:13
S35	0	"006008659"	EPO; JPO; DERWENT	OR	ON	2007/03/09 20:13
S36	5	"2006008659"	EPO; JPO; DERWENT	OR	ON	2007/03/09 20:13
S37	1	2006-136360.NRAN.	DERWENT	OR	ON	2007/03/09 20:13
S38	731	((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip cap end crown apex top) with (firing metal\$4 noble fired) with (cavity cleft crevice fissure orifice crack slot space tear recesss perforation gap breach groove opening hole idantation aperture slit notch))	EPO; JPO; DERWENT	OR	ON	2007/03/09 20:27
S39	767	((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip cap end crown apex top) with (firing metal\$4 noble fired) with (cavity cleft crevice fissure orifice crack slot space tear recesss perforation gap breach groove opening hole idantation aperture slit notch))	EPO; JPO; DERWENT	OR	ON	2007/03/09 20:28
S40	508	((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip cap end crown apex top) with (firing metal\$4 noble fired) with (cavity cleft crevice fissure orifice crack slot space tear recesss perforation gap breach groove opening hole idantation aperture slit notch)) and (313/118-143.ccls.)	US-PGPUB; USPAT	OR	ON	2007/03/09 20:28
S41	486	((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip cap end crown apex top) with (firing metal\$4 noble fired) with (cavity cleft crevice fissure orifice crack slot space tear recesss perforation gap breach groove opening hole idantation aperture slit notch)) and electrode	EPO; JPO; DERWENT	OR	ON	2007/03/09 20:29
S42	1	"20050052106"	US-PGPUB; USPAT	OR	ON	2007/05/08 13:41
S43	334	((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with (latch lip retent\$3 exten\$4 protrusion))	EPO; JPO; DERWENT	OR	ON	2007/07/03 16:14
S44	519	313/141,144,143.ccls. 123/169EL.ccls.	EPO; JPO; DERWENT	OR	ON	2007/07/03 20:42
S45	541	313/141-144.ccls. 123/169EL.ccls.	EPO; JPO; DERWENT	OR	ON	2007/07/03 20:43

## EAST Search History

S46	2499	313/141-144.ccls. 123/169EL.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/03 20:43
S47	577	(313/141-144.ccls. 123/169EL.ccls.) and (tip chip)	US-PGPUB; USPAT	OR	ON	2007/07/03 23:11
S48	16	("2143853"   "3691419"   "3842819"   "3892991"   "3967149"   "4039787"   "4110667"   "4135066"   "4217470"   "4261085"   "4327702"   "4337408"). PN. OR ("4396855").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/03 21:33
S49	14	("3868530"   "4393324"   "4488081"   "4684352").PN. OR ("4840594").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/03 21:48
S50	31	("0195358"   "1190130"   "1353785"   "1359996"   "1486710"   "1508460"   "1512319"   "1522227"   "1872302"   "1900577"   "2120492"   "2944178"   "4015160"   "4023058"   "4370175"   "4428193"   "4498183").PN. OR ("5510668").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/03 23:02
S51	262	(313/141-144.ccls. 123/169EL.ccls.) and (laser)	US-PGPUB; USPAT	OR	ON	2007/07/03 23:11
S52	93	(445/7.ccls.) and (laser)	US-PGPUB; USPAT	OR	ON	2007/07/03 23:24
S53	25	(29/33N.ccls. 219/121.6-121.66.ccls.) and ((ignit\$3 spark\$3) near3 (element member plug))	US-PGPUB; USPAT	OR	ON	2007/07/03 23:26
S54	5	(29/33N.ccls. 219/121.6-121.66.ccls.) and ((ignit\$3 spark\$3) near3 (element member plug))	USOCR	OR	ON	2007/07/03 23:26